## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tesfaye Biftu, et al.

Serial No.

10/556.805

Filed:

November 14, 2005

For:

3-AMINO-4-PHENYLBUTANOIC ACID DERIVATIVES AS DIPEPTIDYL PEPTIDASE INHIBITORS FOR THE

TREATMENT OR PREVENTION OF DIABETES

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Art Unit: _	 
Examiner:	

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Sir:

- 1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).
- 2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
- 3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
- 4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK & CO., INC.

By Pamela Spalding Date 8-24-07

**RELATED APPLICATION** 

## INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

	U. S. SERIAL NUMBER	FILING DATE	MERCK CASE
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If th	nis is inconvenient, additional copies will be submitted upon request		
	6. In accordance with 37 C.F.R. 1.97, (check one)		
	the attached information is filed within three months of the filing date	e of the captioned case.	
$\checkmark$	the attached information is filed more than three months after the file Office Action on the merits.	ling date but prior to the ma	ailing of a first
	the attached information is filed before the mailing of a first Office a examination under §1.114.	action after the filing of a re	quest for continued
	the attached information is being filed more than three months after Office Action on the merits, but before the mailing date of a Final A otherwise closes prosecution in the application. The enclosed auth Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).	ction, Notice of Allowance,	or an action that
	each item of information contained in this Information Disclosure St from a foreign patent office in a counterpart foreign application not Statement.		
	each item of information contained in the information disclosure staffrom a foreign patent office in a counterpart application and this condesignated in §1.56(c) more than thirty days prior to the filing of the	mmunication was not recei	ved by any individual
	no item of information contained in this Information Disclosure State foreign patent office in a counterpart foreign application, and, to the after making reasonable inquiry, was known to any individual design months prior to the filing of this Statement.	knowledge of the person s	signing the certification
		Respectfully submitted.	7
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	•	By: Philippe L. Durette	
		Attorney For Appli	cant(s)
		Reg. No. 35,125	<u> </u>
		P.O. Box 2000 Rahway, N.J. 07065-0907	
		(732)594- <u>4568</u>	
		Date: August 24, 2007	

	Substitute for form 1449A/PTO			COMPLETE IF KNOWN				
	INFORMATION	DIS	CLOSURE	Application Number	10/556,805			
	CON A ONE BUILDING BOX		DI ICANIT	Filing Date	November 14, 2005			
	STATEMENT BY	AP	PLICANI	First Named Inventor	Tesfaye Biftu et al.			
			,	Group Art Unit	AUG 2 7 2007			
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			U.S. PA	ATENT DOCUMENTS	
Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	1	US 4,386,090		Moinet, et al.	05/31/1983
	2	US 5,939,560		Jenkins, et al.	08/17/1999
	3	US 6,011,155		Vilhauer	01/04/2000
	4	US 6,166,063		Villhauer	12/26/2000
	5	US 6,303,661 B1		Demuth, et al.	10/16/2001
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	7	US 6,699,871 B2		Edmondson, et al.	03/02/2004
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Examiner Cite Initials* No.		Foreign Patent Document Office Number		Kind Name o		tee or Applicant Document	Date of Publication of Cited Document MM-DD-YYYY
	1	PCT	WO 97/40832		Hans-Knoll-Institut Fur Natu	rstoff-Forschung E.V.	11/06/1997
	2	PCT	WO 98/19998		Novartis AG		05/14/1998
	3	PCT	WO 00/34241		Novartis AG		06/15/2000
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	7	PCT	WO 02/02560 A2		Novo Nordisk A/S		01/10/2002
	8	PCT	WO 02/076450 A1		Merck & Co., Inc.		10/03/2002
	9	PCT WO 03/000180 A2			Merck & Co., Inc.		01/03/2003
	10	PCT	WO 03/000181 A2		Merck & Co., Inc.		01/03/2003
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<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Initials*	Cite No.	U.S. Patent Document	Kind Name of Patentee or Applicant								
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			FOREIG	N PATENT	T DOCUMENTS	
		L	Foreign Patent Document			Date of Publication of
Examiner Initials*	Cite No.	Office	: Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY
	11	PCT	WO 03/082817 A2		Merck & Co., Inc.	10/09/2003
	12	PCT	WO 2004/007468 A1		Merck & Co., Inc.	01/22/2004
	13	PCT	WO 2004/032836 A2		Merck & Co., Inc.	04/22/2004
	14	PCT	WO 2004/043940 A1		Merck & Co., Inc.	05/27/2004
*	15	PCT	WO 2004/050022 A2		Merck & Co., Inc.	06/17/2004
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	19	PCT	WO 2004/110436 A1		Merck & Co., Inc.	12/23/2004
	20	PCT	WO 2004/112701 A2		Merck & Co., Inc.	12/29/2004

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3	STATEMENT BY	AP	PLICANI	First Named Inventor	Tesfaye Biftu, et al.
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			U.S. PA	ATENT DOCUMENTS	
Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
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Examiner Initials*	Cite No.	Foreign Patent Document Office Number		Kind Name of Patentee or Applica		Date of Publication of Cited Document MM-DD-YYYY
	21	PCT	WO 2005/011581 A2		Merck & Co., Inc.	02/10/2005
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	23	PCT	WO 2005/056003 A1		Graffinity Pharmaceuticals AG	06/23/2005
	24	PCT	WO 2005/056013 A1		Graffinity Pharmaceuticals AG	06/23/2005
	25	PCT	WO 2005/108382 A1		Merck & Co., Inc.	11/17/2005
	26	PCT	WO 2005/116029 A1		Merck & Co., Inc.	12/08/2005
	27	PCT	WO 2005/123685 A1		Astrazeneca AB	12/29/2005

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<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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_	NFORMATION	DIS	CLOSURE	Application Number	10/556,805	
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2	STATEMENT B	Y AP	PLICANI	First Named Inventor	Tesfaye Biftu, et al	
				Group Art Unit		
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Sheet	4	of	4	Attorney Docket Number	21404P	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.			
	1	Augustyns, K. et al., "Dipeptidyl peptidase IV inhibitors as new therapeutic agents for the treatment of Type 2 diabetes" Expert Opin. Ther. Patents, Vol. 13, No. 4, pp 499-510, 2003			
	Augustyns, K. et al., "Inhibitors of proline-specific dipeptidyl peptidases: DPP IV inhibitors as a approach for the treatment of Type 2 diabetes" Expert Opin. Ther. Patents, Vol. 15, No. 10, pp 1: 2005				
	3	Deacon, C. F., "Perspectives in Diabetes - Therapeutic Strategies Based on Glucagon-Like Peptide 1" Diabetes, Vol. 53, pp 2181-2189, 2004			
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	6	Holst, J. J., "Treatment of Type 2 diabetes mellitus with agonists of the GLP-1 receptor or DPP-IV inhibitors" Expert Opin. Emerg. Drugs, Vol. 9, No. 1, pp 155-166, 2004			
	7	Knudsen, L. B., "Glucagon-like Peptide-1: The Basis of a New Class of Treatment for Type 2 Diabetes" J. Med. Chem, Vol. 47, pp 4128-4134, 2004			
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	9	Vahl, T. P. et al., "Gut peptides in the treatment of diabetes mellitus", Expert Opin. Investig. Drugs, Vol. 13, No. 3, pp 177-188, 2004			
	10	Holst, J. J. et al., "Glucagon-like peptide 1 and inhibitors of dipeptidyl peptidase IV in the treatment of type 2 diabetes mellitus" Current Opinion in Pharmacology, Vol. 4, pp 589-596, 2004			
	11	Demuth, H. U. et al., "Type 2 diabetes-Therapy with dipeptidyl peptidase IV inhibitors" Biochimica et Biophysica Acta, Vol. 1751, pp 33-44, 2005			
	12	Weber, A. E., "Dipeptidyl Peptidase IV Inhibitors for the Treatment of Diabetes" J. Med. Chem, Vol. 47, pp 4135-4141, 2004			
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Signature	Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	P&T OFFICE ACKNOWLEDGEMENT					
Ā	TTORNEY	DATE				
F	Philippe L. Durette	8/24/2007				
C	CASE NUMBER/	SERIAL NUMBER				
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S	The Patent & Trademark Office acknowledges, and has stamped hereon, the date of the receipt of the items checked below:					
	AMENDMENT APPEAL AND FEE BRIEF CERTIFICATE OF CORRECTION FINAL FEE LETTER INFORMATION DISCLOSURE STATEMENT PTO 1449 & REFERENCES – 39 References PETITION FOR EXTENSION OF TIME & FEE INVITATION TO CORRECT DEMAND-CHAPTER II & FEE SHEET SEQUENCE STATEMENT SEQUENCE DISKETTE					

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